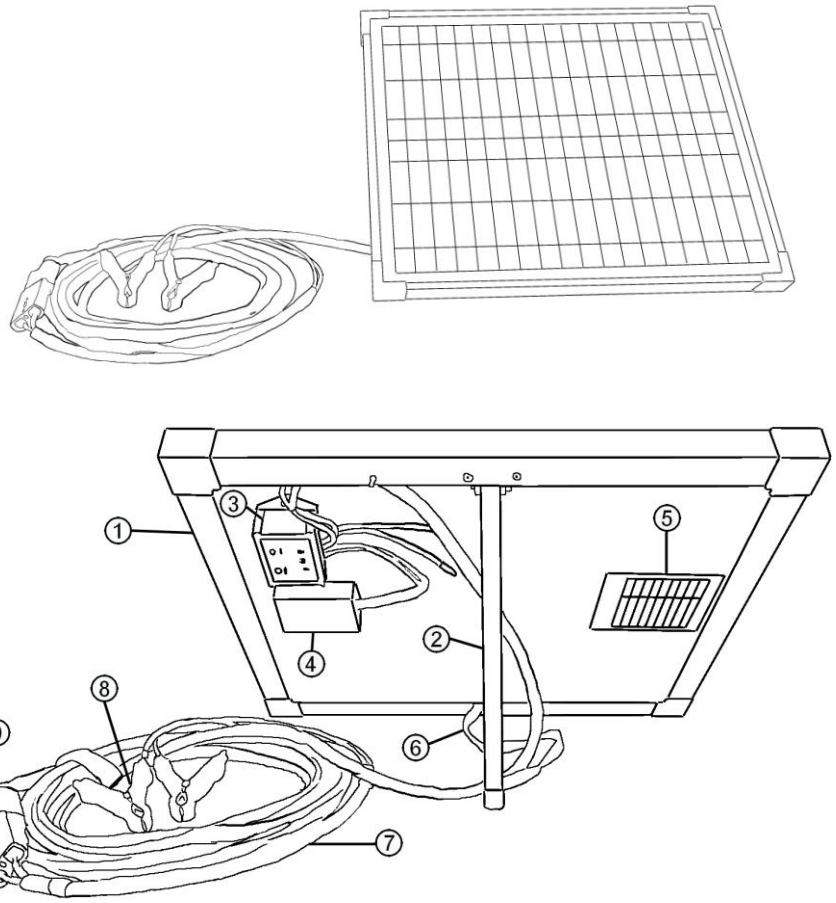

1. Aluminium Frame
2. Aluminium Support Leg
3. Solar Charge Controller
4. Junction Box
5. Label
6. Leg Support Strap
7. Cable
8. Battery Clips
9. Anderson Plug

CURTECH

SOLAR PANEL KIT
USER MANUAL

Installation

1. Remove solar panel kit from protective/storage carry bag.
2. Extend the leg to support the solar panel.
3. Locate in a clear sunlit area free from over hanging branches or obstructions.
4. Place the solar panel kit facing the sun.
   Note: To obtain maximum output it is suggested that the panels' angle be frequently adjusted to track the suns movement through the day.
5. Fully extend battery lead and connect the battery clips to the + positive (red) & - negative (black) battery terminals. Ensure that the connection is secure.

Operation

Charging Status indicator

1. Charge LED indicator is lit BLUE whenever sunlight is available for battery charging.
2. Charge LED indicator will not be lit when your battery is deeply discharged, once battery has recovered to a normal voltage the BLUE light will turn on again.

Frequently Asked Questions

Q. Is the regulator water resistant?

A. Yes

Q. Can I extend /lengthen the battery lead?

A. If the lead is extended this can result in a loss of voltage and insufficient power transferred from the solar panels to charge the battery

Q. How do I clean the solar panel?

A. Dust & dirt should firstly be swept off the panel surface using a soft brush and then use a wet cloth to wipe the panel surface to remove remaining dirt & grime. It is recommended that any bird droppings be removed as soon as possible as if left can cause damage to the surface.

Trouble shooting if system does not function

Check all connections to ensure they are secure and free from moisture & debris.

Protection of solar charger controller

PV Array Short Circuit

If PV array short circuit occurs, clear it to resume normal operation.

Load Short Circuit

Fully protected against load wiring short-circuit. After one automatic load reconnect attempt, the fault must be cleared by reapply power or pressing the setting switch.

Battery Reverse Polarity

Fully protection against battery reverse polarity, no damage to the controller will result. Correct the miswire to resume normal operation.

Folding Solar Panel Kit Specification

Specifications						
Type	**Module Size**	**N.W.**	**Max Power**	**Max Power Voltage**	**Max Power Current**	**Open Circuit Voltage**
Module	**mm**	**kg**	**W**	**V**	**A**	**V**
20W	430x335x25	3	20	17.5	1.14	21.20

Solar Cell: Monocrystalline

Technical data on the solar panel kit can be found on the label on the back of the solar panel.

Suitable for 12V Battery Charging.